Monthly Notices
OF THE
Royal Astronomical Society

VOLUME 280
1996 MAY–JUNE

The Board of Editors

PROFESSOR M. J. BARLOW, DEPARTMENT OF PHYSICS AND ASTRONOMY, UNIVERSITY COLLEGE LONDON

DR R. F. CARSWELL (DEPUTY MANAGING EDITOR), INSTITUTE OF ASTRONOMY, CAMBRIDGE

DR J. E. DREW, ASTRONOMY GROUP, BLACKETT LABORATORY, IMPERIAL COLLEGE LONDON

PROFESSOR A. C. FABIAN FRS (MANAGING EDITOR), INSTITUTE OF ASTRONOMY, CAMBRIDGE

PROFESSOR M. W. FEAST, DEPARTMENT OF ASTRONOMY, UNIVERSITY OF CAPE TOWN

PROFESSOR D. R. FLOWER, DEPARTMENT OF PHYSICS, UNIVERSITY OF DURHAM

PROFESSOR D. C. HEGGIE, DEPARTMENT OF MATHEMATICS & STATISTICS, UNIVERSITY OF EDINBURGH

DR D. W. HUGHES, DEPARTMENT OF PHYSICS, UNIVERSITY OF SHEFFIELD

PROFESSOR F. D. KAHN, DEPARTMENT OF ASTRONOMY, UNIVERSITY OF MANCHESTER

PROFESSOR J. C. B. PAPALOIZOU, SCHOOL OF MATHEMATICAL SCIENCES, QUEEN MARY & WESTFIELD COLLEGE LONDON

PROFESSOR M. J. WARD, DEPARTMENT OF PHYSICS & ASTRONOMY, UNIVERSITY OF LEICESTER

PROFESSOR S. D. M. WHITE, MAX-PLANCK-INSTITUT FÜR ASTROPHYSIK, GARCHING BEI MÜNCHEN

Published for the
Royal Astronomical Society by
Blackwell Science
OXFORD LONDON EDINBURGH
BOSTON MELBOURNE
PARIS BERLIN VIENNA

List of key words used in the annual subject indexes

(valid from January 1996)

This list is common to *Monthly Notices of the Royal Astronomical Society, Astronomy and Astrophysics,* and *The Astrophysical Journal.* In order to ease the search, the key words are subdivided into broad categories. No more than *six* subcategories altogether should be listed for a paper.

The subcategories in boldface containing the word 'individual' are intended for use with specific astronomical objects; these should never be used alone, but always in combination with the most common names for the astronomical objects in question. Note that each object counts as one subcategory within the allowed limit of six.

The parts of the key words in italics are for reference only and should be omitted when the key words are entered on the manuscript.

General

book reviews
editorials, notices
errata, addenda
extraterrestrial intelligence
history and philosophy of astronomy
miscellaneous
obituaries, biographies

Physical data and processes

acceleration of particles
accretion, accretion discs
atomic data
atomic processes
black hole physics
chaos
conduction
convection
cosmic strings
dense matter
diffusion
elementary particles
equation of state
gravitation
hydrodynamics
instabilities
line: formation
line: identification
line: profiles
magnetic fields
(magnetohydrodynamics) MHD
masers
molecular data
molecular processes
nuclear reactions, nucleosynthesis, abundances
plasmas
polarization
radiation mechanisms: nonthermal
radiation mechanisms: thermal
radiative transfer
relativity
scattering
shock waves
turbulence
waves

Astronomical instrumentation, methods and techniques

atmospheric effects
balloons
instrumentation: detectors
instrumentation: interferometers
instrumentation: miscellaneous
instrumentation: photometers
instrumentation: polarimeters
instrumentation: spectrographs
methods: analytical
methods: data analysis
methods: laboratory
methods: miscellaneous
methods: numerical
methods: observational
methods: statistical
site testing
space vehicles
techniques: image processing
techniques: interferometric
techniques: miscellaneous
techniques: photometric
techniques: polarimetric
techniques: radar astronomy
techniques: radial velocities
techniques: spectroscopic
telescopes

Astronomical data bases

astronomical data bases: miscellaneous
atlases
catalogues
surveys

Astrometry and celestial mechanics

astrometry
celestial mechanics, stellar dynamics
eclipses
ephemerides
occultations
reference systems
time

The Sun

Sun: abundances
Sun: activity
Sun: atmosphere
Sun: chromosphere
Sun: corona
Sun: evolution
Sun: faculae, plages
Sun: filaments
Sun: flares
Sun: fundamental parameters
Sun: general
Sun: granulation
Sun: infrared
Sun: interior
Sun: magnetic fields
Sun: oscillations
Sun: particle emission
Sun: photosphere
Sun: prominences
Sun: radio radiation
Sun: rotation
(Sun:) solar–terrestrial relations
(Sun:) solar wind
(Sun:) sunspots
Sun: transition region
Sun: UV radiation
Sun: X-rays, gamma-rays

Solar system

comets: general
comets: individual:...
Earth
interplanetary medium
meteors, meteoroids
minor planets, asteroids
Moon
planets and satellites: general
planets and satellites: individual:...
Solar system: formation
Solar system: general

Stars

stars: abundances
stars: activity
stars: AGB and post-AGB
stars: atmospheres
(stars:) binaries *(including multiple)*: close
(stars:) binaries: eclipsing
(stars:) binaries: general
(stars:) binaries: spectroscopic
(stars:) binaries: symbiotic
(stars:) binaries: visual
(stars:) blue stragglers
stars: carbon
stars: chemically peculiar
stars: chromospheres
(stars:) circumstellar matter
stars: coronae
stars: distances
stars: early-type
stars: emission-line, Be
stars: evolution
stars: flare
stars: formation
stars: fundamental parameters *(classification, colours, luminosities, masses, radii, temperatures, etc.)*
stars: general
(stars:) Hertzsprung–Russell (HR) diagram
stars: horizontal branch
stars: imaging
stars: individual:...
stars: interiors
stars: kinematics
stars: late-type
stars: low-mass, brown dwarfs
stars: luminosity function, mass function
stars: magnetic fields
stars: mass-loss
stars: neutron
(stars:) novae, cataclysmic variables
stars: oscillations *(including pulsations)*
stars: peculiar *(except chemically peculiar)*
(stars:) planetary systems
stars: Population II
stars: pre-main-sequence
(stars:) pulsars: general
(stars:) **pulsars: individual:...**
stars: rotation
stars: statistics
(stars:) subdwarfs
(stars:) supergiants
(stars:) supernovae: general
(stars:) **supernovae: individual:...**
(stars: variables:) Cepheids
(stars: variables:) δ Scuti
stars: variables: other
(stars:) white dwarfs
stars: Wolf–Rayet

Interstellar medium (ISM), nebulae

ISM: abundances
ISM: atoms
ISM: bubbles
ISM: clouds
(ISM:) cosmic rays
(ISM:) dust, extinction
ISM: general
ISM: globules
(ISM:) H II regions
ISM: individual:...
(except planetary nebulae)
ISM: jets and outflows
ISM: kinematics and dynamics
ISM: magnetic fields
ISM: molecules
(ISM:) planetary nebulae: general
(ISM:) **planetary nebulae: individual:...**
(ISM:) reflection nebulae
ISM: structure
(ISM:) supernova remnants

The Galaxy

Galaxy: abundances
Galaxy: centre
Galaxy: evolution
Galaxy: formation
Galaxy: fundamental parameters
Galaxy: general
(Galaxy:) globular clusters: general
(Galaxy:) **globular clusters: individual:...**
Galaxy: halo
Galaxy: kinematics and dynamics
(Galaxy:) open clusters and associations: general
(Galaxy:) **open clusters and associations: individual:...**
(Galaxy:) solar neighbourhood
Galaxy: stellar content
Galaxy: structure

Galaxies

galaxies: abundances
galaxies: active
(galaxies:) BL Lacertae objects: general
(galaxies:) **BL Lacertae objects: individual:...**
galaxies: clusters: general
galaxies: clusters: individual:...
galaxies: compact
(galaxies:) cooling flows
galaxies: distances and redshifts
galaxies: elliptical and lenticular, cD
galaxies: evolution
galaxies: formation
galaxies: fundamental parameters
(classification, colours, luminosities, masses, radii, etc.)
galaxies: general
galaxies: haloes
galaxies: individual:...
galaxies: interactions
(galaxies:) intergalactic medium
galaxies: ISM
galaxies: irregular
galaxies: jets
galaxies: kinematics and dynamics
(galaxies:) Local Group
galaxies: luminosity function, mass function
(galaxies:) Magellanic Clouds
galaxies: magnetic fields
galaxies: nuclei
galaxies: peculiar
galaxies: photometry
(galaxies:) quasars: absorption lines
(galaxies:) quasars: emission lines
(galaxies:) quasars: general
(galaxies:) **quasars: individual:...**
galaxies: Seyfert
galaxies: spiral
galaxies: starburst
galaxies: star clusters
galaxies: statistics
galaxies: stellar content
galaxies: structure

Cosmology

(cosmology:) cosmic microwave background
cosmology: miscellaneous
cosmology: observations
cosmology: theory
(cosmology:) dark matter
(cosmology:) diffuse radiation
(cosmology:) distance scale
(cosmology:) early Universe
(cosmology:) gravitational lensing
(cosmology:) large-scale structure of Universe

Sources as a function of wavelength

gamma-rays: bursts
gamma-rays: observations
gamma-rays: theory
infrared: galaxies
infrared: general
infrared: ISM: continuum
infrared: ISM: lines and bands
infrared: Solar system
infrared: stars
radio continuum: galaxies
radio continuum: general
radio continuum: ISM
radio continuum: Solar system
radio continuum: stars
radio lines: galaxies
radio lines: general
radio lines: ISM
radio lines: Solar system
radio lines: stars
ultraviolet: galaxies
ultraviolet: general
ultraviolet: ISM
ultraviolet: Solar system
ultraviolet: stars
X-rays: bursts
X-rays: galaxies
X-rays: general
X-rays: ISM
X-rays: stars

SUBJECT INDEX

General

Erratum: Substructure in clusters of galaxies and the value of Ω (Dutta S.N.), **280,** 335

Physical data and processes

Plasma flow in the magnetosphere of an axisymmetric rotator (Bogovalov S.V.), **280,** 39
On the origin of the γ-ray emission in blazars (Ghisellini G., Madau P.), **280,** 67
A simple method of accounting for correlation effects in electron transitions and its application in finding oscillator strengths and the solar abundance of zirconium (Bogdanovich P., Tautvaišienė G., Rudzikas Z., Momkauskaitė A.), **280,** 95
A distribution function calculation of the Hα profiles of high-velocity shocks – II. The broad component neutral precursor (Lim A.J., Raga A.C.), **280,** 103
A distribution function calculation of the Hα profiles of high-velocity shocks – III. Profiles from varying angles of observation (Lim A.J.), **280,** 115
On hydrodynamic stability of weakly magnetized stellar radiative zones (Urpin V.A.), **280,** 149
Excitation of ion cyclotron harmonic waves in cosmic ray shock precursors (McClements K.G., Dendy R.O., Drury L.O'C., Duffy P.), **280,** 219
Phase lags and coherence of X-ray variability in black hole candidates (Nowak M.A., Vaughan B.A.), **280,** 227
The Vela supernova remnant and the Gum nebula: new perspectives at 2.4 GHz (Duncan A.R., Stewart R.T., Haynes R.F., Jones K.L.), **280,** 252
Optical and near-infrared spectropolarimetry of the infrared-luminous galaxy IRAS 23060 + 0505 (Young S., Hough J.H., Axon D.J., Ward M.J., Bailey J.A.), **280,** 291
A homologous recycling model for hot galactic coronae (Kritsuk A.G.), **280,** 319
Unified theories of active galactic nuclei: a hard X-ray sample of Seyfert 2 galaxies (Smith D.A., Done C.), **280,** 355
Non-linear radial pulsation models for extreme helium stars: application to V652 Her (BD + 13°3224) (Fadeyev Yu.A., Lynas-Gray A.E.), **280,** 427
The role of magnetic reconnection in emission-line filaments in cooling flows (Jafelice L.C., Friaça A.C.S.), **280,** 438
The structure of MHD shocks in molecular outflows: grain sputtering and SiO formation (Flower D.R., Pineau des Forêts G., Field D., May P.W.), **280,** 447
Magnetic braking of T Tauri stars (Armitage P.J., Clarke C.J.), **280,** 458
Non-LTE excitation of H_2 in magnetized molecular shocks (O'Brien I., Drury L.O'C.), **280,** 550
Clumpy ultracompact H II regions – II. Cores, spheres and shells from subsonic flows (Redman M.P., Williams R.J.R., Dyson J.E.), **280,** 661
Clumpy ultracompact H II regions – III. Cometary morphologies around stationary stars (Williams R.J.R., Dyson J.E., Redman M.P.), **280,** 667
Stability of spherical stellar systems – I. Analytical results (Perez J., Aly J.-J.), **280,** 689
Stability of spherical stellar systems – II. Numerical results (Perez J., Alimi J.-M., Aly J.-J., Scholl H.), **280,** 700
Constraints on massive black holes as dark matter candidates using Galactic globular clusters (Klessen R., Burkert A.), **280,** 735
Radiation drag in relativistic active galactic nucleus jets (Sikora M., Sol H., Begelman M.C., Madejski G.M.), **280,** 781
Formation of high-redshift objects in a cosmic string theory with hot dark matter (Moessner R., Brandenberger R.), **280,** 797
The iron Kα line complex in Compton-thick Seyfert 2 galaxies (Matt G., Brandt W.N., Fabian A.C.), **280,** 823
Mass motions in the atmospheres of red giants in the globular clusters M55 and M13 (Lyons M.A., Kemp S.N., Bates B., Shaw C.R.), **280,** 835
Planetary commensurabilities driven by accretion and dynamical friction (Melita M.D., Woolfson M.M.), **280,** 854
Ultra-high-resolution measurements of the intrinsic line profiles of interstellar C_2 towards ζ Ophiuchi and HD 169454 (Crawford I.A., Barlow M.J.), **280,** 863
Variable hydroxyl and methanol masers in G 351.78–0.54 (MacLeod G.C., Gaylard M.J.), **280,** 868
The X-ray spectrum of the intermediate polar AO Piscium (Hellier C., Mukai K., Ishida M., Fujimoto R.), **280,** 877
The probable mass of the companion in Cygnus X-3 (Mitra A.), **280,** 953
Non-LTE model chromospheres of ζ Aurigae stars (Marshall K.P.), **280,** 977
New sources for Kerr and other metrics: rotating relativistic discs with pressure support (Pichon C., Lynden-Bell D.), **280,** 1007
Double-degenerate semidetached binaries with helium secondaries: cataclysmic variables, supersoft X-ray sources, supernovae and accretion-induced collapses (Tutukov A., Yungelson L.), **280,** 1035
The chemistry of deuterium in hot molecular cores (Rodgers S.D., Millar T.J.), **280,** 1046
On the cyclo-synchrotron cross-section (Gliozzi M., Bodo G., Ghisellini G., Trussoni E.), **280,** 1094
Accretion mode changes in QS Tel (RE 1938–461): *EUVE*, *ROSAT* and optical observations (Rosen S.R., Mittaz J.P.D., Buckley D.A., Layden A.C., Clayton K.L., McCain C., Wynn G.A., Sirk M.M., Osborne J.P., Watson M.G.), **280,** 1121
OH Zeeman measurements of the magnetic fields in four megamaser galaxies (Killeen N.E.B., Staveley-Smith L., Wilson W.E., Sault R.J.), **280,** 1143
Fragmentation in a centrally condensed protostar (Burkert A., Bodenheimer P.), **280,** 1190
Space–time modes of relativistic stars (Andersson N., Kokkotas K.D., Schutz B.F.), **280,** 1230
'Understanding' cosmological bulk viscosity (Zimdahl W.), **280,** 1239
Equation of state in the solar convection zone and the implications of helioseismology (Elliott J.R.), **280,** 1244
Wind accretion in binary stars – II. Accretion rates (Theuns T., Boffin H.M.J., Jorissen A.), **280,** 1264
Problems with the superluminal pulsar model (Hewish A.), **280,** L27
Optical variability of the Large Magellanic Cloud supersoft source RX J0513.9–6951 from MACHO Project photometry (Alcock C. et al.), **280,** L49

Astronomical instrumentation, methods and techniques

VRI CCD surface photometry of Seyfert 1, Seyfert 2 and intermediate Seyfert-type galaxies (Xanthopoulos E.), **280,** 6
HD 159176: photospheric and wind-dominated light-curve analyses coupled to wind modelling (Pachoulakis I.), **280,** 153
A method for extracting maximum resolution power spectra from microwave sky maps (Tegmark M.), **280,** 299
Field correctors for very large telescopes (Wynne C.G.), **280,** 555
The steady structure of a jet/cloud interaction – I. The case of a plane-parallel stratification (Cantó J., Raga A.C.), **280,** 559
The steady structure of a jet/cloud interaction – II. The case of a spherically symmetric stratification (Raga A.C., Cantó J.), **280,** 567
The use of Positive Matrix Factorization in the analysis of molecular line spectra (Juvela M., Lehtinen K., Paatero P.), **280,** 616
Filtering out near-surface uncertainties from helioseismic inversions (Basu S., Christensen-Dalsgaard J., Pérez Hernández F., Thompson M.J.), **280,** 651
Counts-in-cells analysis of the statistical distribution in an *N*-body simulated universe (Ueda H., Yokoyama J.), **280,** 754
Radiation drag in relativistic active galactic nucleus jets (Sikora M., Sol H., Begelman M.C., Madejski G.M.), **280,** 781
The orbital dispersion of the macroscopic Taurid objects (Steel D.I., Asher D.J.), **280,** 806
New sources for Kerr and other metrics: rotating relativistic discs with pressure support (Pichon C., Lynden-Bell D.), **280,** 1007
A radial velocity spectrograph for zodiacal light (James J.F.), **280,** 1055

On the microwave background anisotropy produced by big voids in open universes (Fullana M.J., Arnau J.V., Sáez D.), **280,** 1181
Fragmentation in a centrally condensed protostar (Burkert A., Bodenheimer P.), **280,** 1190
The orbital evolution of P/Machholz 2 and its debris (Asher D.J., Steel D.I.), **280,** 1201
Leonid meteor storms (Wu Z., Williams I.P.), **280,** 1210

Astronomical data bases

The real-space correlation function measured from the APM Galaxy Survey (Baugh C.M.), **280,** 267
A deep *ROSAT* survey – V. The extragalactic populations at faint fluxes (Georgantopoulos I., Stewart G.C., Shanks T., Boyle B.J., Griffiths R.E.), **280,** 276
A survey of the Galactic plane for 6.7-GHz methanol masers – I. $l = 325°–335°$; $b = -0.^{\circ}53–0.^{\circ}53$ (Ellingsen S.P., von Bibra M.L., McCulloch P.M., Norris R.P., Deshpande A.A., Phillips C.J.), **280,** 378
The clustering of blue and red galaxies at $B \sim 25.5$ mag (Roche N., Shanks T., Metcalfe N., Fong R.), **280,** 397
ROSAT PSPC X-ray spectral survey of W UMa systems (McGale P.A., Pye J.P., Hodgkin S.T.), **280,** 627
Large-scale structure in a new deep *IRAS* galaxy redshift survey (Oliver S.J., Rowan-Robinson M., Broadhurst T.J., McMahon R.G., Saunders W., Taylor A., Lawrence A., Lonsdale C.J., Hacking P., Conrow T.), **280,** 673
Testing Ansätze for quasi-non-linear clustering: the linear APM power spectrum (Baugh C.M., Gaztañaga E.), **280,** L37

Astrometry and celestial mechanics

Stability of spherical stellar systems – I. Analytical results (Perez J., Aly J.-J.), **280,** 689
Stability of spherical stellar systems – II. Numerical results (Perez J., Alimi J.-M., Aly J.-J., Scholl H.), **280,** 700
The orbital dispersion of the macroscopic Taurid objects (Steel D.I., Asher D.J.), **280,** 806
Jeans and Boltzmann solutions for oblate galaxies with flat rotation curves (de Zeeuw P.T., Evans N.W., Schwarzschild M.), **280,** 903
New sources for Kerr and other metrics: rotating relativistic discs with pressure support (Pichon C., Lynden-Bell D.), **280,** 1007
Finite-mass isothermal spheres and the structure of globular clusters (Madsen J.), **280,** 1089
Leonid meteor storms (Wu Z., Williams I.P.), **280,** 1210
Orbital covariance eigenproblem for asteroids and comets (Muinonen K.), **280,** 1235

The Sun

Plasma flow in the magnetosphere of an axisymmetric rotator (Bogovalov S.V.), **280,** 39
A simple method of accounting for correlation effects in electron transitions and its application in finding oscillator strengths and the solar abundance of zirconium (Bogdanovich P., Tautvaišienė G., Rudzikas Z., Momkauskaitė A.), **280,** 95
Filtering out near-surface uncertainties from helioseismic inversions (Basu S., Christensen-Dalsgaard J., Pérez Hernández F., Thompson M.J.), **280,** 651
Solar core rotation: low-degree solar p-mode rotational splitting results from BiSON (Chaplin W.J., Elsworth Y., Howe R., Isaak G.R., McLeod C.P., Miller B.A., New R.), **280,** 849
Measuring stellar oscillations using equivalent widths of absorption lines (Bedding T.R., Kjeldsen H., Reetz J., Barbuy B.), **280,** 1155
Low-degree, $l = 4$ modes in full-disc BiSON helioseismological data (Chaplin W.J., Elsworth Y., Howe R., Isaak G.R., McLeod C.P., Miller B.A., New R.), **280,** 1162
Equation of state in the solar convection zone and the implications of helioseismology (Elliott J.R.), **280,** 1244

Solar system

The orbital dispersion of the macroscopic Taurid objects (Steel D.I., Asher D.J.), **280,** 806
Planetary commensurabilities driven by accretion and dynamical friction (Melita M.D., Woolfson M.M.), **280,** 854
A radial velocity spectrograph for zodiacal light (James J.F.), **280,** 1055
The orbital evolution of P/Machholz 2 and its debris (Asher D.J., Steel D.I.), **280,** 1201
Leonid meteor storms (Wu Z., Williams I.P.), **280,** 1210
Orbital covariance eigenproblem for asteroids and comets (Muinonen K.), **280,** 1235

Stars

The determination of the rotational periods of the rapidly oscillating Ap stars from their mean light variations – V. An improved rotation period for the dipole pulsator HD 6532 (Kurtz D.W., Marang F., van Wyk F., Roberts G.), **280,** 1
Plasma flow in the magnetosphere of an axisymmetric rotator (Bogovalov S.V.), **280,** 39
Spectral analysis of M dwarfs (Jones H.R.A., Longmore A.J., Allard F., Hauschildt P.H.), **280,** 77
Elemental abundance analyses with DAO spectrograms – XV. The superficially normal late B-type and early A-type stars Merak, π Draconis and $\varkappa$ Cephei (Adelman S.J.), **280,** 130
Pulsar beams – conal not patchy (Gil J., Krawczyk A.), **280,** 143
On hydrodynamic stability of weakly magnetized stellar radiative zones (Urpin V.A.), **280,** 149
HD 159176: photospheric and wind-dominated light-curve analyses coupled to wind modelling (Pachoulakis I.), **280,** 153
Excitation of ion cyclotron harmonic waves in cosmic ray shock precursors (McClements K.G., Dendy R.O., Drury L.O'C., Duffy P.), **280,** 219
Elemental abundances of field horizontal branch stars – IV. HD 74721, 86986 and 93329 (Adelman S.J., Philip A.G.D.), **280,** 285
Observations of the millisecond pulsar J0437–4715 at 76 MHz (McConnell D., Ables J.G., Bailes M., Erickson W.C.), **280,** 331
A survey of the Galactic plane for 6.7-GHz methanol masers – I. $l = 325°–335°$; $b = -0.^{\circ}53–0.^{\circ}53$ (Ellingsen S.P., von Bibra M.L., McCulloch P.M., Norris R.P., Deshpande A.A., Phillips C.J.), **280,** 378
Non-linear radial pulsation models for extreme helium stars: application to V652 Her (BD + 13°3224) (Fadeyev Yu.A., Lynas-Gray A.E.), **280,** 427
Magnetic braking of T Tauri stars (Armitage P.J., Clarke C.J.), **280,** 458
Spectroscopic imaging of the secondary star in AM Her (Davey S.C., Smith R.C.), **280,** 481
UZ Leo and CV Cyg: two evolved contact binaries (Vinkó J., Hegedüs T., Hendry P.D.), **280,** 489
Retention fractions for globular cluster neutron stars (Drukier G.A.), **280,** 498
ST Pup: a binary Type II Cepheid with a peculiar chemical composition (Gonzalez G., Wallerstein G.), **280,** 515
Mid-infrared properties of globular clusters using the *IRAS* data base (Origlia L., Ferraro F.R., Fusi Pecci F.), **280,** 572
ROSAT PSPC X-ray spectral survey of W UMa systems (McGale P.A., Pye J.P., Hodgkin S.T.), **280,** 627
Clumpy ultracompact H II regions – II. Cores, spheres and shells from subsonic flows (Redman M.P., Williams R.J.R., Dyson J.E.), **280,** 661
Clumpy ultracompact H II regions – III. Cometary morphologies around stationary stars (Williams R.J.R., Dyson J.E., Redman M.P.), **280,** 667
Mass motions in the atmospheres of red giants in the globular clusters M55 and M13 (Lyons M.A., Kemp S.N., Bates B., Shaw C.R.), **280,** 835
Ultra-high-resolution measurements of the intrinsic line profiles of interstellar C_2 towards ζ Ophiuchi and HD 169454 (Crawford I.A., Barlow M.J.), **280,** 863
Variable hydroxyl and methanol masers in G 351.78–0.54 (MacLeod G.C., Gaylard M.J.), **280,** 868
The X-ray spectrum of the intermediate polar AO Piscium (Hellier C., Mukai K., Ishida M., Fujimoto R.), **280,** 877
The binary Cepheid W Sgr (Albrow M.D., Cottrell P.L.), **280,** 917
On the interpretation of intermediate polar X-ray power spectra (Norton A.J., Beardmore A.P., Taylor P.), **280,** 937

The probable mass of the companion in Cygnus X-3 (Mitra A.), **280,** 953
Multifrequency observations of the Wolf–Rayet star WR 146: another colliding-wind binary? (Dougherty S.M., Williams P.M., van der Hucht K.A., Bode M.F., Davis R.J.), **280,** 963
Non-LTE model chromospheres of ζ Aurigae stars (Marshall K.P.), **280,** 977
An evolutionary scenario for short-period millisecond binary pulsars (Ergma E., Sarna M.J.), **280,** 1000
New H I absorption measurements towards six pulsars (Saravanan T.P., Deshpande A.A., Wilson W., Davies E., McCulloch P.M., McConnell D.), **280,** 1027
Double-degenerate semidetached binaries with helium secondaries: cataclysmic variables, supersoft X-ray sources, supernovae and accretion-induced collapses (Tutukov A., Yungelson L.), **280,** 1035
The spectral energy distribution and mass-loss history of IRC + 10420 (Oudmaijer R.D., Groenewegen M.A.T., Matthews H.E., Blommaert J.A.D.L., Sahu K.C.), **280,** 1062
An improved HR diagram for Chamaeleon I pre-main-sequence stars (Lawson W.A., Feigelson E.D., Huenemoerder D.P.), **280,** 1071
The chemical evolution of a galactic disc with infall and radial motions – II. Departures from centrifugal equilibrium (Pitts E., Tayler R.J.), **280,** 1101
Accretion mode changes in QS Tel (RE 1938–461): *EUVE*, *ROSAT* and optical observations (Rosen S.R., Mittaz J.P.D., Buckley D.A., Layden A.C., Clayton K.L., McCain C., Wynn G.A., Sirk M.M., Osborne J.P., Watson M.G.), **280,** 1121
Measuring stellar oscillations using equivalent widths of absorption lines (Bedding T.R., Kjeldsen H., Reetz J., Barbuy B.), **280,** 1155
Fragmentation in a centrally condensed protostar (Burkert A., Bodenheimer P.), **280,** 1190
Near-infrared observations of L1551-IRS 5 with image sharpening (Lucas P.W., Roche P.F.), **280,** 1219
Space–time modes of relativistic stars (Andersson N., Kokkotas K.D., Schutz B.F.), **280,** 1230
Wind accretion in binary stars – II. Accretion rates (Theuns T., Boffin H.M.J., Jorissen A.), **280,** 1264
Photometry of the post-common-envelope binary PG 0308 + 096 (Somers M.W., Lockley J.J., Naylor T., Wood J.H.), **280,** 1277
High gas densities in OMC1-North protostar candidates (Greaves J.S.), **280,** 1293
X-ray detection of Supernova 1988Z with the *ROSAT* High Resolution Imager (Fabian A.C., Terlevich R.), **280,** L5
Problems with the superluminal pulsar model (Hewish A.), **280,** L27
On the rotational velocities of Be and Be-shell stars (Porter J.M.), **280,** L31
Optical variability of the Large Magellanic Cloud supersoft source RX J0513.9–6951 from MACHO Project photometry (Alcock C. et al.), **280,** L49

Interstellar medium (ISM), nebulae

A distribution function calculation of the Hα profiles of high-velocity shocks – II. The broad component neutral precursor (Lim A.J., Raga A.C.), **280,** 103
A distribution function calculation of the Hα profiles of high-velocity shocks – III. Profiles from varying angles of observation (Lim A.J.), **280,** 115
Excitation of ion cyclotron harmonic waves in cosmic ray shock precursors (McClements K.G., Dendy R.O., Drury L.O'C., Duffy P.), **280,** 219
The Vela supernova remnant and the Gum nebula: new perspectives at 2.4 GHz (Duncan A.R., Stewart R.T., Haynes R.F., Jones K.L.), **280,** 252
A survey of the Galactic plane for 6.7-GHz methanol masers – I. $l = 325°–335°$; $b = -0°.53–0°.53$ (Ellingsen S.P., von Bibra M.L., McCulloch P.M., Norris R.P., Deshpande A.A., Phillips C.J.), **280,** 378
The structure of MHD shocks in molecular outflows: grain sputtering and SiO formation (Flower D.R., Pineau des Forêts G., Field D., May P.W.), **280,** 447
Non-LTE excitation of H_2 in magnetized molecular shocks (O'Brien I., Drury L.O'C.), **280,** 550
The steady structure of a jet/cloud interaction – I. The case of a plane-parallel stratification (Cantó J., Raga A.C.), **280,** 559
The steady structure of a jet/cloud interaction – II. The case of a spherically symmetric stratification (Raga A.C., Cantó J.), **280,** 567
Mid-infrared properties of globular clusters using the *IRAS* data base (Origlia L., Ferraro F.R., Fusi Pecci F.), **280,** 572
The use of Positive Matrix Factorization in the analysis of molecular line spectra (Juvela M., Lehtinen K., Paatero P.), **280,** 616
Clumpy ultracompact H II regions – II. Cores, spheres and shells from subsonic flows (Redman M.P., Williams R.J.R., Dyson J.E.), **280,** 661
Clumpy ultracompact H II regions – III. Cometary morphologies around stationary stars (Williams R.J.R., Dyson J.E., Redman M.P.), **280,** 667
Supershells as probe particles for the study of the galactic spin orientation (Silich S.A., Mashchenko S.Ya., Tenorio-Tagle G., Franco J.), **280,** 711
The chemical composition of H II regions in the outer Galaxy (Vílchez J.M., Esteban C.), **280,** 720
Ultra-high-resolution measurements of the intrinsic line profiles of interstellar C_2 towards ζ Ophiuchi and HD 169454 (Crawford I.A., Barlow M.J.), **280,** 863
Variable hydroxyl and methanol masers in G 351.78–0.54 (MacLeod G.C., Gaylard M.J.), **280,** 868
An investigation of the 3-μm emission bands in planetary nebulae (Roche P.F., Lucas P.W., Hoare M.G., Aitken D.K., Smith C.H.), **280,** 924
New H I absorption measurements towards six pulsars (Saravanan T.P., Deshpande A.A., Wilson W., Davies E., McCulloch P.M., McConnell D.), **280,** 1027
The chemistry of deuterium in hot molecular cores (Rodgers S.D., Millar T.J.), **280,** 1046
A radial velocity spectrograph for zodiacal light (James J.F.), **280,** 1055
An improved HR diagram for Chamaeleon I pre-main-sequence stars (Lawson W.A., Feigelson E.D., Huenemoerder D.P.), **280,** 1071
Radio recombination line (H92α) observations of Sgr E (Cram L.E., Claussen M.J., Beasley A.J., Gray A.D., Goss W.M.), **280,** 1110
The implications of large dust masses at high redshifts: a first look at galactic evolution in the submillimetre waveband (Eales S.A., Edmunds M.G.), **280,** 1167
Near-infrared observations of L1551-IRS 5 with image sharpening (Lucas P.W., Roche P.F.), **280,** 1219
High gas densities in OMC1-North protostar candidates (Greaves J.S.), **280,** 1293

The Galaxy

Retention fractions for globular cluster neutron stars (Drukier G.A.), **280,** 498
Mid-infrared properties of globular clusters using the *IRAS* data base (Origlia L., Ferraro F.R., Fusi Pecci F.), **280,** 572
The chemical composition of H II regions in the outer Galaxy (Vílchez J.M., Esteban C.), **280,** 720
Constraints on massive black holes as dark matter candidates using Galactic globular clusters (Klessen R., Burkert A.), **280,** 735
Mass motions in the atmospheres of red giants in the globular clusters M55 and M13 (Lyons M.A., Kemp S.N., Bates B., Shaw C.R.), **280,** 835
The M87 globular cluster system revisited (Elson R.A.W., Santiago B.X.), **280,** 971
Finite-mass isothermal spheres and the structure of globular clusters (Madsen J.), **280,** 1089
Radio recombination line (H92α) observations of Sgr E (Cram L.E., Claussen M.J., Beasley A.J., Gray A.D., Goss W.M.), **280,** 1110

Galaxies

VRI CCD surface photometry of Seyfert 1, Seyfert 2 and intermediate Seyfert-type galaxies (Xanthopoulos E.), **280,** 6
Narrow-band imaging of the circumnuclear emission-line region of M81 (Golev V., Yankulova I., Bonev T.), **280,** 29
The emission-line knot in the Seyfert 2 galaxy NGC 5347 (González Delgado R.M., Pérez E.), **280,** 53
On the origin of the γ-ray emission in blazars (Ghisellini G., Madau P.), **280,** 67

The Fundamental Plane for cluster E and S0 galaxies (Jørgensen I., Franx M., Kjærgaard P.), **280,** 167
Sampling effects on cosmological dipoles (Kolokotronis V., Plionis M., Coles P., Borgani S., Moscardini L.), **280,** 186
Cluster mass reconstruction from weak gravitational lensing (Wilson G., Cole S., Frenk C.S.), **280,** 199
Autofib Redshift Survey – I. Evolution of the galaxy luminosity function (Ellis R.S., Colless M., Broadhurst T., Heyl J., Glazebrook K.), **280,** 235
The real-space correlation function measured from the APM Galaxy Survey (Baugh C.M.), **280,** 267
A deep *ROSAT* survey – V. The extragalactic populations at faint fluxes (Georgantopoulos I., Stewart G.C., Shanks T., Boyle B.J., Griffiths R.E.), **280,** 276
Optical and near-infrared spectropolarimetry of the infrared-luminous galaxy IRAS 23060 + 0505 (Young S., Hough J.H., Axon D.J., Ward M.J., Bailey J.A.), **280,** 291
Interaction in the bimodal galaxy cluster A3528 (Schindler S.), **280,** 309
A homologous recycling model for hot galactic coronae (Kritsuk A.G.), **280,** 319
Erratum: Substructure in clusters of galaxies and the value of Ω (Dutta S.N.), **280,** 335
The number, luminosity and mass density of spiral galaxies as a function of surface brightness (McGaugh S.S.), **280,** 337
Unified theories of active galactic nuclei: a hard X-ray sample of Seyfert 2 galaxies (Smith D.A., Done C.), **280,** 355
The clustering of blue and red galaxies at $B \sim 25.5$ mag (Roche N., Shanks T., Metcalfe N., Fong R.), **280,** 397
The role of magnetic reconnection in emission-line filaments in cooling flows (Jafelice L.C., Friaça A.C.S.), **280,** 438
Faint blue galaxies as a probe of the X-ray background at high redshift (Treyer M.A., Lahav O.), **280,** 469
Optical observations of Dwingeloo 1, a nearby barred spiral galaxy behind the Milky Way (Loan A.J., Maddox S.J., Lahav O., Balcells M., Kraan-Korteweg R.C., Assendorp R., Almoznino E., Brosch N., Goldberg E., Ofek E.O.), **280,** 537
Mid-infrared properties of globular clusters using the *IRAS* data base (Origlia L., Ferraro F.R., Fusi Pecci F.), **280,** 572
Near-infrared surface photometry of 'Sixty Micron Peaker' galaxies (Heisler C.A., De Robertis M.M., Nadeau D.), **280,** 579
Formation rate of gravitational structures and the cosmic X-ray background radiation (Kitayama T., Suto Y.), **280,** 638
Large-scale structure in a new deep *IRAS* galaxy redshift survey (Oliver S.J., Rowan-Robinson M., Broadhurst T.J., McMahon R.G., Saunders W., Taylor A., Lawrence A., Lonsdale C.J., Hacking P., Conrow T.), **280,** 673
Supershells as probe particles for the study of the galactic spin orientation (Silich S.A., Mashchenko S.Ya., Tenorio-Tagle G., Franco J.), **280,** 711
The chemical composition of H II regions in the outer Galaxy (Vílchez J.M., Esteban C.), **280,** 720
The epoch of structure formation in blue mixed dark matter models (Borgani S., Lucchin F., Matarrese S., Moscardini L.), **280,** 749
Counts-in-cells analysis of the statistical distribution in an *N*-body simulated universe (Ueda H., Yokoyama J.), **280,** 754
Analysis of Lyα absorption lines in the vicinity of QSOs (Srianand R., Khare P.), **280,** 767
Radiation drag in relativistic active galactic nucleus jets (Sikora M., Sol H., Begelman M.C., Madejski G.M.), **280,** 781
The iron Kα line complex in Compton-thick Seyfert 2 galaxies (Matt G., Brandt W.N., Fabian A.C.), **280,** 823
Imaging of the field of 4C 41.17 below the Lyman limit (Lacy M., Rawlings S.), **280,** 888
Stellar population of elliptical galaxies in different environments: spectroscopic CO observations (Mobasher B., James P.A.), **280,** 895
Jeans and Boltzmann solutions for oblate galaxies with flat rotation curves (de Zeeuw P.T., Evans N.W., Schwarzschild M.), **280,** 903
The M87 globular cluster system revisited (Elson R.A.W., Santiago B.X.), **280,** 971
New sources for Kerr and other metrics: rotating relativistic discs with pressure support (Pichon C., Lynden-Bell D.), **280,** 1007
Finite-mass isothermal spheres and the structure of globular clusters (Madsen J.), **280,** 1089
The chemical evolution of a galactic disc with infall and radial motions – II. Departures from centrifugal equilibrium (Pitts E., Tayler R.J.), **280,** 1101
OH Zeeman measurements of the magnetic fields in four megamaser galaxies (Killeen N.E.B., Staveley-Smith L., Wilson W.E., Sault R.J.), **280,** 1143
The implications of large dust masses at high redshifts: a first look at galactic evolution in the submillimetre waveband (Eales S.A., Edmunds M.G.), **280,** 1167
Deprojection of axially symmetric objects (Kochanek C.S., Rybicki G.B.), **280,** 1257
Unusual radio and optical structures in the Seyfert galaxy Markarian 6 (Kukula M.J., Holloway A.J., Pedlar A., Meaburn J., Lopez J.A., Axon D.J., Schilizzi R.T., Baum S.A.), **280,** 1283
Two variable quasars at $z > 4$ (Hawkins M.R.S., Shaver P.A., Clements D., van der Werf P.), **280,** L1
Evolution of the aligned structures in $z \sim 1$ radio galaxies (Best P.N., Longair M.S., Röttgering H.J.A.), **280,** L9
The Fundamental Plane of elliptical galaxies and the virial theorem (Levine S.E., Aguilar L.A.), **280,** L13
Testing Ansätze for quasi-non-linear clustering: the linear APM power spectrum (Baugh C.M., Gaztañaga E.), **280,** L37
Candidate primeval galaxies in the *Hubble Deep Field* (Clements D.L., Couch W.J.), **280,** L43
Optical variability of the Large Magellanic Cloud supersoft source RX J0513.9–6951 from MACHO Project photometry (Alcock C. et al.), **280,** L49

Cosmology

Sampling effects on cosmological dipoles (Kolokotronis V., Plionis M., Coles P., Borgani S., Moscardini L.), **280,** 186
Cluster mass reconstruction from weak gravitational lensing (Wilson G., Cole S., Frenk C.S.), **280,** 199
Autofib Redshift Survey – I. Evolution of the galaxy luminosity function (Ellis R.S., Colless M., Broadhurst T., Heyl J., Glazebrook K.), **280,** 235
The real-space correlation function measured from the APM Galaxy Survey (Baugh C.M.), **280,** 267
A deep *ROSAT* survey – V. The extragalactic populations at faint fluxes (Georgantopoulos I., Stewart G.C., Shanks T., Boyle B.J., Griffiths R.E.), **280,** 276
A method for extracting maximum resolution power spectra from microwave sky maps (Tegmark M.), **280,** 299
Interaction in the bimodal galaxy cluster A3528 (Schindler S.), **280,** 309
Erratum: Substructure in clusters of galaxies and the value of Ω (Dutta S.N.), **280,** 335
The clustering of blue and red galaxies at $B \sim 25.5$ mag (Roche N., Shanks T., Metcalfe N., Fong R.), **280,** 397
Faint blue galaxies as a probe of the X-ray background at high redshift (Treyer M.A., Lahav O.), **280,** 469
Formation rate of gravitational structures and the cosmic X-ray background radiation (Kitayama T., Suto Y.), **280,** 638
Large-scale structure in a new deep *IRAS* galaxy redshift survey (Oliver S.J., Rowan-Robinson M., Broadhurst T.J., McMahon R.G., Saunders W., Taylor A., Lawrence A., Lonsdale C.J., Hacking P., Conrow T.), **280,** 673
Constraints on massive black holes as dark matter candidates using Galactic globular clusters (Klessen R., Burkert A.), **280,** 735
The epoch of structure formation in blue mixed dark matter models (Borgani S., Lucchin F., Matarrese S., Moscardini L.), **280,** 749
Counts-in-cells analysis of the statistical distribution in an *N*-body simulated universe (Ueda H., Yokoyama J.), **280,** 754
Formation of high-redshift objects in a cosmic string theory with hot dark matter (Moessner R., Brandenberger R.), **280,** 797
On the microwave background anisotropy produced by big voids in open universes (Fullana M.J., Arnau J.V., Sáez D.), **280,** 1181
'Understanding' cosmological bulk viscosity (Zimdahl W.), **280,** 1239
Non-linear evolution of cosmological power spectra (Peacock J.A., Dodds S.J.), **280,** L19
Testing Ansätze for quasi-non-linear clustering: the linear APM power spectrum (Baugh C.M., Gaztañaga E.), **280,** L37

Sources as a function of wavelength

On the origin of the γ-ray emission in blazars (Ghisellini G., Madau P.), **280,** 67

Spectral analysis of M dwarfs (Jones H.R.A., Longmore A.J., Allard F., Hauschildt P.H.), **280,** 77
Phase lags and coherence of X-ray variability in black hole candidates (Nowak M.A., Vaughan B.A.), **280,** 227
A deep *ROSAT* survey – V. The extragalactic populations at faint fluxes (Georgantopoulos I., Stewart G.C., Shanks T., Boyle B.J., Griffiths R.E.), **280,** 276
Optical and near-infrared spectropolarimetry of the infrared-luminous galaxy IRAS 23060 + 0505 (Young S., Hough J.H., Axon D.J., Ward M.J., Bailey J.A.), **280,** 291
Interaction in the bimodal galaxy cluster A3528 (Schindler S.), **280,** 309
A homologous recycling model for hot galactic coronae (Kritsuk A.G.), **280,** 319
Unified theories of active galactic nuclei: a hard X-ray sample of Seyfert 2 galaxies (Smith D.A., Done C.), **280,** 355
A survey of the Galactic plane for 6.7-GHz methanol masers – I. $l = 325°–335°$; $b = -0.°53–0.°53$ (Ellingsen S.P., von Bibra M.L., McCulloch P.M., Norris R.P., Deshpande A.A., Phillips C.J.), **280,** 378
The role of magnetic reconnection in emission-line filaments in cooling flows (Jafelice L.C., Friaça A.C.S.), **280,** 438
Faint blue galaxies as a probe of the X-ray background at high redshift (Treyer M.A., Lahav O.), **280,** 469
Mid-infrared properties of globular clusters using the *IRAS* data base (Origlia L., Ferraro F.R., Fusi Pecci F.), **280,** 572
Near-infrared surface photometry of 'Sixty Micron Peaker' galaxies (Heisler C.A., De Robertis M.M., Nadeau D.), **280,** 579
The use of Positive Matrix Factorization in the analysis of molecular line spectra (Juvela M., Lehtinen K., Paatero P.), **280,** 616
ROSAT PSPC X-ray spectral survey of W UMa systems (McGale P.A., Pye J.P., Hodgkin S.T.), **280,** 627
Formation rate of gravitational structures and the cosmic X-ray background radiation (Kitayama T., Suto Y.), **280,** 638
Clumpy ultracompact H II regions – II. Cores, spheres and shells from subsonic flows (Redman M.P., Williams R.J.R., Dyson J.E.), **280,** 661
Clumpy ultracompact H II regions – III. Cometary morphologies around stationary stars (Williams R.J.R., Dyson J.E., Redman M.P.), **280,** 667
Large-scale structure in a new deep *IRAS* galaxy redshift survey (Oliver S.J., Rowan-Robinson M., Broadhurst T.J., McMahon R.G., Saunders W., Taylor A., Lawrence A., Lonsdale C.J., Hacking P., Conrow T.), **280,** 673
The chemical composition of H II regions in the outer Galaxy (Vílchez J.M., Esteban C.), **280,** 720
The iron Kα line complex in Compton-thick Seyfert 2 galaxies (Matt G., Brandt W.N., Fabian A.C.), **280,** 823
The X-ray spectrum of the intermediate polar AO Piscium (Hellier C., Mukai K., Ishida M., Fujimoto R.), **280,** 877
Stellar population of elliptical galaxies in different environments: spectroscopic CO observations (Mobasher B., James P.A.), **280,** 895
An investigation of the 3-μm emission bands in planetary nebulae (Roche P.F., Lucas P.W., Hoare M.G., Aitken D.K., Smith C.H.), **280,** 924
On the interpretation of intermediate polar X-ray power spectra (Norton A.J., Beardmore A.P., Taylor P.), **280,** 937
The probable mass of the companion in Cygnus X-3 (Mitra A.), **280,** 953
Multifrequency observations of the Wolf–Rayet star WR 146: another colliding-wind binary? (Dougherty S.M., Williams P.M., van der Hucht K.A., Bode M.F., Davis R.J.), **280,** 963
Double-degenerate semidetached binaries with helium secondaries: cataclysmic variables, supersoft X-ray sources, supernovae and accretion-induced collapses (Tutukov A., Yungelson L.), **280,** 1035
An improved HR diagram for Chamaeleon I pre-main-sequence stars (Lawson W.A., Feigelson E.D., Huenemoerder D.P.), **280,** 1071
Radio recombination line (H92α) observations of Sgr E (Cram L.E., Claussen M.J., Beasley A.J., Gray A.D., Goss W.M.), **280,** 1110
Accretion mode changes in QS Tel (RE 1938–461): *EUVE*, *ROSAT* and optical observations (Rosen S.R., Mittaz J.P.D., Buckley D.A., Layden A.C., Clayton K.L., McCain C., Wynn G.A., Sirk M.M., Osborne J.P., Watson M.G.), **280,** 1121
OH Zeeman measurements of the magnetic fields in four megamaser galaxies (Killeen N.E.B., Staveley-Smith L., Wilson W.E., Sault R.J.), **280,** 1143
The implications of large dust masses at high redshifts: a first look at galactic evolution in the submillimetre waveband (Eales S.A., Edmunds M.G.), **280,** 1167
Near-infrared observations of L1551-IRS 5 with image sharpening (Lucas P.W., Roche P.F.), **280,** 1219
Unusual radio and optical structures in the Seyfert galaxy Markarian 6 (Kukula M.J., Holloway A.J., Pedlar A., Meaburn J., Lopez J.A., Axon D.J., Schilizzi R.T., Baum S.A.), **280,** 1283
X-ray detection of Supernova 1988Z with the *ROSAT* High Resolution Imager (Fabian A.C., Terlevich R.), **280,** L5
Evolution of the aligned structures in $z \sim 1$ radio galaxies (Best P.N., Longair M.S., Röttgering H.J.A.), **280,** L9
Optical variability of the Large Magellanic Cloud supersoft source RX J0513.9–6951 from MACHO Project photometry (Alcock C. et al.), **280,** L49

AUTHOR INDEX

Ables J.G. *see* McConnell D.
Adelman S.J., Elemental abundance analyses with DAO spectrograms – XV. The superficially normal late B-type and early A-type stars Merak, π Draconis and $\varkappa$ Cephei, **280,** 130
Adelman S.J., Philip A.G.D., Elemental abundances of field horizontal branch stars – IV. HD 74721, 86986 and 93329, **280,** 285
Aguilar L.A. *see* Levine S.E.
Aitken D.K. *see* Roche P.F.
Albrow M.D., Cottrell P.L., The binary Cepheid W Sgr, **280,** 917
Alcock C., Allsman R.A., Alves D., Axelrod T.S., Bennett D.P., Charles P.A., Cook K.H., Freeman K.C., Griest K., Guern J., Lehner M.J., Livio M., Marshall S.L., Peterson B.A., Pratt M.R., Quinn P.J., Rodgers A.W., Southwell K.A., Stubbs C.W., Sutherland W., Welch D.L., Optical variability of the Large Magellanic Cloud supersoft source RX J0513.9–6951 from MACHO Project photometry, **280,** L49
Alimi J.-M. *see* Perez J.
Allard F. *see* Jones H.R.A.
Allsman R.A. *see* Alcock C.
Almoznino E. *see* Loan A.J.
Alves D. *see* Alcock C.
Aly J.-J. *see* Perez J.
Andersson N., Kokkotas K.D., Schutz B.F., Space–time modes of relativistic stars, **280,** 1230
Armitage P.J., Clarke C.J., Magnetic braking of T Tauri stars, **280,** 458
Arnau J.V. *see* Fullana M.J.
Asher D.J. *see* Steel D.I.
Asher D.J., Steel D.I., The orbital evolution of P/Machholz 2 and its debris, **280,** 1201
Assendorp R. *see* Loan A.J.
Axelrod T.S. *see* Alcock C.
Axon D.J. *see* Kukula M.J.
Axon D.J. *see* Young S.

Bailes M. *see* McConnell D.
Bailey J.A. *see* Young S.
Balcells M. *see* Loan A.J.
Barbuy B. *see* Bedding T.R.
Barlow M.J. *see* Crawford I.A.
Basu S., Christensen-Dalsgaard J., Pérez Hernández F., Thompson M.J., Filtering out near-surface uncertainties from helioseismic inversions, **280,** 651
Bates B. *see* Lyons M.A.
Baugh C.M., Gaztañaga E., Testing Ansätze for quasi-non-linear clustering: the linear APM power spectrum, **280,** L37
Baugh C.M., The real-space correlation function measured from the APM Galaxy Survey, **280,** 267
Baum S.A. *see* Kukula M.J.
Beardmore A.P. *see* Norton A.J.
Beasley A.J. *see* Cram L.E.
Bedding T.R., Kjeldsen H., Reetz J., Barbuy B., Measuring stellar oscillations using equivalent widths of absorption lines, **280,** 1155
Begelman M.C. *see* Sikora M.
Bennett D.P. *see* Alcock C.
Best P.N., Longair M.S., Röttgering H.J.A., Evolution of the aligned structures in $z \sim 1$ radio galaxies, **280,** L9
Blommaert J.A.D.L. *see* Oudmaijer R.D.
Bode M.F. *see* Dougherty S.M.
Bodenheimer P. *see* Burkert A.
Bodo G. *see* Gliozzi M.
Boffin H.M.J. *see* Theuns T.
Bogdanovich P., Tautvaišienė G., Rudzikas Z., Momkauskaitė A., A simple method of accounting for correlation effects in electron transitions and its application in finding oscillator strengths and the solar abundance of zirconium, **280,** 95
Bogovalov S.V., Plasma flow in the magnetosphere of an axisymmetric rotator, **280,** 39
Bonev T. *see* Golev V.
Borgani S. *see* Kolokotronis V.
Borgani S., Lucchin F., Matarrese S., Moscardini L., The epoch of structure formation in blue mixed dark matter models, **280,** 749
Boyle B.J. *see* Georgantopoulos I.
Brandenberger R. *see* Moessner R.
Brandt W.N. *see* Matt G.
Broadhurst T. *see* Ellis R.S.
Broadhurst T.J. *see* Oliver S.J.
Brosch N. *see* Loan A.J.
Buckley D.A. *see* Rosen S.R.
Burkert A. *see* Klessen R.
Burkert A., Bodenheimer P., Fragmentation in a centrally condensed protostar, **280,** 1190

Cantó J. *see* Raga A.C.
Cantó J., Raga A.C., The steady structure of a jet/cloud interaction – I. The case of a plane-parallel stratification, **280,** 559
Chaplin W.J., Elsworth Y., Howe R., Isaak G.R., McLeod C.P., Miller B.A., New R., Low-degree, $l = 4$ modes in full-disc BiSON helioseismological data, **280,** 1162
Chaplin W.J., Elsworth Y., Howe R., Isaak G.R., McLeod C.P., Miller B.A., New R., Solar core rotation: low-degree solar p-mode rotational splitting results from BiSON, **280,** 849
Charles P.A. *see* Alcock C.
Christensen-Dalsgaard J. *see* Basu S.
Clarke C.J. *see* Armitage P.J.
Claussen M.J. *see* Cram L.E.
Clayton K.L. *see* Rosen S.R.
Clements D. *see* Hawkins M.R.S.
Clements D.L., Couch W.J., Candidate primeval galaxies in the *Hubble Deep Field*, **280,** L43
Cole S. *see* Wilson G.
Coles P. *see* Kolokotronis V.
Colless M. *see* Ellis R.S.
Conrow T. *see* Oliver S.J.
Cook K.H. *see* Alcock C.
Cottrell P.L. *see* Albrow M.D.
Couch W.J. *see* Clements D.L.
Cram L.E., Claussen M.J., Beasley A.J., Gray A.D., Goss W.M., Radio recombination line (H92α) observations of Sgr E, **280,** 1110
Crawford I.A., Barlow M.J., Ultra-high-resolution measurements of the intrinsic line profiles of interstellar C_2 towards ζ Ophiuchi and HD 169454, **280,** 863

Davey S.C., Smith R.C., Spectroscopic imaging of the secondary star in AM Her, **280,** 481
Davies E. *see* Saravanan T.P.
Davis R.J. *see* Dougherty S.M.
De Robertis M.M. *see* Heisler C.A.
de Zeeuw P.T., Evans N.W., Schwarzschild M., Jeans and Boltzmann solutions for oblate galaxies with flat rotation curves, **280,** 903
Dendy R.O. *see* McClements K.G.
Deshpande A.A. *see* Ellingsen S.P.
Deshpande A.A. *see* Saravanan T.P.
Dodds S.J. *see* Peacock J.A.
Done C. *see* Smith D.A.
Dougherty S.M., Williams P.M., van der Hucht K.A., Bode M.F., Davis R.J., Multifrequency observations of the Wolf–Rayet star WR 146: another colliding-wind binary?, **280,** 963
Drukier G.A., Retention fractions for globular cluster neutron stars, **280,** 498
Drury L.O'C. *see* McClements K.G.
Drury L.O'C. *see* O'Brien I.
Duffy P. *see* McClements K.G.
Duncan A.R., Stewart R.T., Haynes R.F., Jones K.L., The Vela supernova remnant and the Gum nebula: new perspectives at 2.4 GHz, **280,** 252
Dutta S.N., Erratum: Substructure in clusters of galaxies and the value of Ω, **280,** 335
Dyson J.E. *see* Redman M.P.
Dyson J.E. *see* Williams R.J.R.

Eales S.A., Edmunds M.G., The implications of large dust masses at high redshifts: a first look at galactic evolution in the submillimetre waveband, **280,** 1167
Edmunds M.G. *see* Eales S.A.

Ellingsen S.P., von Bibra M.L., McCulloch P.M., Norris R.P., Deshpande A.A., Phillips C.J., A survey of the Galactic plane for 6.7-GHz methanol masers – I. $l = 325°–335°$; $b = -0°.53–0°.53$, **280,** 378
Elliott J.R., Equation of state in the solar convection zone and the implications of helioseismology, **280,** 1244
Ellis R.S., Colless M., Broadhurst T., Heyl J., Glazebrook K., Autofib Redshift Survey – I. Evolution of the galaxy luminosity function, **280,** 235
Elson R.A.W., Santiago B.X., The M87 globular cluster system revisited, **280,** 971
Elsworth Y. *see* Chaplin W.J.
Ergma E., Sarna M.J., An evolutionary scenario for short-period millisecond binary pulsars, **280,** 1000
Erickson W.C. *see* McConnell D.
Esteban C. *see* Vílchez J.M.
Evans N.W. *see* de Zeeuw P.T.

Fabian A.C. *see* Matt G.
Fabian A.C., Terlevich R., X-ray detection of Supernova 1988Z with the *ROSAT* High Resolution Imager, **280,** L5
Fadeyev Yu.A., Lynas-Gray A.E., Non-linear radial pulsation models for extreme helium stars: application to V652 Her (BD + 13°3224), **280,** 427
Feigelson E.D. *see* Lawson W.A.
Ferraro F.R. *see* Origlia L.
Field D. *see* Flower D.R.
Flower D.R., Pineau des Forêts G., Field D., May P.W., The structure of MHD shocks in molecular outflows: grain sputtering and SiO formation, **280,** 447
Fong R. *see* Roche N.
Franco J. *see* Silich S.A.
Franx M. *see* Jørgensen I.
Freeman K.C. *see* Alcock C.
Frenk C.S. *see* Wilson G.
Friaça A.C.S. *see* Jafelice L.C.
Fujimoto R. *see* Hellier C.
Fullana M.J., Arnau J.V., Sáez D., On the microwave background anisotropy produced by big voids in open universes, **280,** 1181
Fusi Pecci F. *see* Origlia L.

Gaylard M.J. *see* MacLeod G.C.
Gaztañaga E. *see* Baugh C.M.
Georgantopoulos I., Stewart G.C., Shanks T., Boyle B.J., Griffiths R.E., A deep *ROSAT* survey – V. The extragalactic populations at faint fluxes, **280,** 276
Ghisellini G. *see* Gliozzi M.
Ghisellini G., Madau P., On the origin of the γ-ray emission in blazars, **280,** 67
Gil J., Krawczyk A., Pulsar beams – conal not patchy, **280,** 143
Glazebrook K. *see* Ellis R.S.
Gliozzi M., Bodo G., Ghisellini G., Trussoni E., On the cyclo-synchrotron cross-section, **280,** 1094
Goldberg E. *see* Loan A.J.
Golev V., Yankulova I., Bonev T., Narrow-band imaging of the circumnuclear emission-line region of M81, **280,** 29
González Delgado R.M., Pérez E., The emission-line knot in the Seyfert 2 galaxy NGC 5347, **280,** 53
Gonzalez G., Wallerstein G., ST Pup: a binary Type II Cepheid with a peculiar chemical composition, **280,** 515
Goss W.M. *see* Cram L.E.
Gray A.D. *see* Cram L.E.
Greaves J.S., High gas densities in OMC1-North protostar candidates, **280,** 1293
Griest K. *see* Alcock C.
Griffiths R.E. *see* Georgantopoulos I.
Groenewegen M.A.T. *see* Oudmaijer R.D.
Guern J. *see* Alcock C.

Hacking P. *see* Oliver S.J.
Hauschildt P.H. *see* Jones H.R.A.
Hawkins M.R.S., Shaver P.A., Clements D., van der Werf P., Two variable quasars at $z > 4$, **280,** L1
Haynes R.F. *see* Duncan A.R.
Hegedüs T. *see* Vinkó J.
Heisler C.A., De Robertis M.M., Nadeau D., Near-infrared surface photometry of 'Sixty Micron Peaker' galaxies, **280,** 579
Hellier C., Mukai K., Ishida M., Fujimoto R., The X-ray spectrum of the intermediate polar AO Piscium, **280,** 877
Hendry P.D. *see* Vinkó J.
Hewish A., Problems with the superluminal pulsar model, **280,** L27
Heyl J. *see* Ellis R.S.
Hoare M.G. *see* Roche P.F.
Hodgkin S.T. *see* McGale P.A.
Holloway A.J. *see* Kukula M.J.
Hough J.H. *see* Young S.
Howe R. *see* Chaplin W.J.
Huenemoerder D.P. *see* Lawson W.A.

Isaak G.R. *see* Chaplin W.J.
Ishida M. *see* Hellier C.

Jafelice L.C., Friaça A.C.S., The role of magnetic reconnection in emission-line filaments in cooling flows, **280,** 438
James J.F., A radial velocity spectrograph for zodiacal light, **280,** 1055
James P.A. *see* Mobasher B.
Jones H.R.A., Longmore A.J., Allard F., Hauschildt P.H., Spectral analysis of M dwarfs, **280,** 77
Jones K.L. *see* Duncan A.R.
Jørgensen I., Franx M., Kjærgaard P., The Fundamental Plane for cluster E and S0 galaxies, **280,** 167
Jorissen A. *see* Theuns T.
Juvela M., Lehtinen K., Paatero P., The use of Positive Matrix Factorization in the analysis of molecular line spectra, **280,** 616

Kemp S.N. *see* Lyons M.A.
Khare P. *see* Srianand R.
Killeen N.E.B., Staveley-Smith L., Wilson W.E., Sault R.J., OH Zeeman measurements of the magnetic fields in four megamaser galaxies, **280,** 1143
Kitayama T., Suto Y., Formation rate of gravitational structures and the cosmic X-ray background radiation, **280,** 638
Kjærgaard P. *see* Jørgensen I.
Kjeldsen H. *see* Bedding T.R.
Klessen R., Burkert A., Constraints on massive black holes as dark matter candidates using Galactic globular clusters, **280,** 735
Kochanek C.S., Rybicki G.B., Deprojection of axially symmetric objects, **280,** 1257
Kokkotas K.D. *see* Andersson N.
Kolokotronis V., Plionis M., Coles P., Borgani S., Moscardini L., Sampling effects on cosmological dipoles, **280,** 186
Kraan-Korteweg R.C. *see* Loan A.J.
Krawczyk A. *see* Gil J.
Kritsuk A.G., A homologous recycling model for hot galactic coronae, **280,** 319
Kukula M.J., Holloway A.J., Pedlar A., Meaburn J., Lopez J.A., Axon D.J., Schilizzi R.T., Baum S.A., Unusual radio and optical structures in the Seyfert galaxy Markarian 6, **280,** 1283
Kurtz D.W., Marang F., van Wyk F., Roberts G., The determination of the rotational periods of the rapidly oscillating Ap stars from their mean light variations – V. An improved rotation period for the dipole pulsator HD 6532, **280,** 1

Lacy M., Rawlings S., Imaging of the field of 4C 41.17 below the Lyman limit, **280,** 888
Lahav O. *see* Loan A.J.
Lahav O. *see* Treyer M.A.
Lawrence A. *see* Oliver S.J.
Lawson W.A., Feigelson E.D., Huenemoerder D.P., An improved HR diagram for Chamaeleon I pre-main-sequence stars, **280,** 1071
Layden A.C. *see* Rosen S.R.
Lehner M.J. *see* Alcock C.
Lehtinen K. *see* Juvela M.
Levine S.E., Aguilar L.A., The Fundamental Plane of elliptical galaxies and the virial theorem, **280,** L13
Lim A.J., A distribution function calculation of the Hα profiles of high-velocity shocks – III. Profiles from varying angles of observation, **280,** 115
Lim A.J., Raga A.C., A distribution function calculation of the Hα profiles of high-velocity shocks – II. The broad component neutral precursor, **280,** 103
Livio M. *see* Alcock C.
Loan A.J., Maddox S.J., Lahav O., Balcells M., Kraan-Korteweg R.C.,

Assendorp R., Almoznino E., Brosch N., Goldberg E., Ofek E.O., Optical observations of Dwingeloo 1, a nearby barred spiral galaxy behind the Milky Way, **280,** 537
Lockley J.J. *see* Somers M.W.
Longair M.S. *see* Best P.N.
Longmore A.J. *see* Jones H.R.A.
Lonsdale C.J. *see* Oliver S.J.
Lopez J.A. *see* Kukula M.J.
Lucas P.W. *see* Roche P.F.
Lucas P.W., Roche P.F., Near-infrared observations of L1551-IRS 5 with image sharpening, **280,** 1219
Lucchin F. *see* Borgani S.
Lynas-Gray A.E. *see* Fadeyev Yu.A.
Lynden-Bell D. *see* Pichon C.
Lyons M.A., Kemp S.N., Bates B., Shaw C.R., Mass motions in the atmospheres of red giants in the globular clusters M55 and M13, **280,** 835

McCain C. *see* Rosen S.R.
McClements K.G., Dendy R.O., Drury L.O'C., Duffy P., Excitation of ion cyclotron harmonic waves in cosmic ray shock precursors, **280,** 219
McConnell D. *see* Saravanan T.P.
McConnell D., Ables J.G., Bailes M., Erickson W.C., Observations of the millisecond pulsar J0437–4715 at 76 MHz, **280,** 331
McCulloch P.M. *see* Ellingsen S.P.
McCulloch P.M. *see* Saravanan T.P.
McGale P.A., Pye J.P., Hodgkin S.T., *ROSAT* PSPC X-ray spectral survey of W UMa systems, **280,** 627
McGaugh S.S., The number, luminosity and mass density of spiral galaxies as a function of surface brightness, **280,** 337
McLeod C.P. *see* Chaplin W.J.
MacLeod G.C., Gaylard M.J., Variable hydroxyl and methanol masers in G 351.78–0.54, **280,** 868
McMahon R.G. *see* Oliver S.J.
Madau P. *see* Ghisellini G.
Maddox S.J. *see* Loan A.J.
Madejski G.M. *see* Sikora M.
Madsen J., Finite-mass isothermal spheres and the structure of globular clusters, **280,** 1089
Marang F. *see* Kurtz D.W.
Marshall K.P., Non-LTE model chromospheres of ζ Aurigae stars, **280,** 977
Marshall S.L. *see* Alcock C.
Mashchenko S.Ya. *see* Silich S.A.
Matarrese S. *see* Borgani S.
Matt G., Brandt W.N., Fabian A.C., The iron Kα line complex in Compton-thick Seyfert 2 galaxies, **280,** 823
Matthews H.E. *see* Oudmaijer R.D.
May P.W. *see* Flower D.R.
Meaburn J. *see* Kukula M.J.
Melita M.D., Woolfson M.M., Planetary commensurabilities driven by accretion and dynamical friction, **280,** 854
Metcalfe N. *see* Roche N.
Millar T.J. *see* Rodgers S.D.
Miller B.A. *see* Chaplin W.J.
Mitra A., The probable mass of the companion in Cygnus X-3, **280,** 953
Mittaz J.P.D. *see* Rosen S.R.
Mobasher B., James P.A., Stellar population of elliptical galaxies in different environments: spectroscopic CO observations, **280,** 895
Moessner R., Brandenberger R., Formation of high-redshift objects in a cosmic string theory with hot dark matter, **280,** 797
Momkauskaitė A. *see* Bogdanovich P.
Moscardini L. *see* Borgani S.
Moscardini L. *see* Kolokotronis V.
Muinonen K., Orbital covariance eigenproblem for asteroids and comets, **280,** 1235
Mukai K. *see* Hellier C.

Nadeau D. *see* Heisler C.A.
Naylor T. *see* Somers M.W.
New R. *see* Chaplin W.J.
Norris R.P. *see* Ellingsen S.P.
Norton A.J., Beardmore A.P., Taylor P., On the interpretation of intermediate polar X-ray power spectra, **280,** 937
Nowak M.A., Vaughan B.A., Phase lags and coherence of X-ray variability in black hole candidates, **280,** 227

O'Brien I., Drury L.O'C., Non-LTE excitation of H_2 in magnetized molecular shocks, **280,** 550
Ofek E.O. *see* Loan A.J.
Oliver S.J., Rowan-Robinson M., Broadhurst T.J., McMahon R.G., Saunders W., Taylor A., Lawrence A., Lonsdale C.J., Hacking P., Conrow T., Large-scale structure in a new deep *IRAS* galaxy redshift survey, **280,** 673
Origlia L., Ferraro F.R., Fusi Pecci F., Mid-infrared properties of globular clusters using the *IRAS* data base, **280,** 572
Osborne J.P. *see* Rosen S.R.
Oudmaijer R.D., Groenewegen M.A.T., Matthews H.E., Blommaert J.A.D.L., Sahu K.C., The spectral energy distribution and mass-loss history of IRC + 10420, **280,** 1062

Paatero P. *see* Juvela M.
Pachoulakis I., HD 159176: photospheric and wind-dominated light-curve analyses coupled to wind modelling, **280,** 153
Peacock J.A., Dodds S.J., Non-linear evolution of cosmological power spectra, **280,** L19
Pedlar A. *see* Kukula M.J.
Pérez E. *see* González Delgado R.M.
Pérez Hernández F. *see* Basu S.
Perez J., Alimi J.-M., Aly J.-J., Scholl H., Stability of spherical stellar systems – II. Numerical results, **280,** 700
Perez J., Aly J.-J., Stability of spherical stellar systems – I. Analytical results, **280,** 689
Peterson B.A. *see* Alcock C.
Philip A.G.D. *see* Adelman S.J.
Phillips C.J. *see* Ellingsen S.P.
Pichon C., Lynden-Bell D., New sources for Kerr and other metrics: rotating relativistic discs with pressure support, **280,** 1007
Pineau des Forêts G. *see* Flower D.R.
Pitts E., Tayler R.J., The chemical evolution of a galactic disc with infall and radial motions – II. Departures from centrifugal equilibrium, **280,** 1101
Plionis M. *see* Kolokotronis V.
Porter J.M., On the rotational velocities of Be and Be-shell stars, **280,** L31
Pratt M.R. *see* Alcock C.
Pye J.P. *see* McGale P.A.

Quinn P.J. *see* Alcock C.

Raga A.C. *see* Cantó J.
Raga A.C. *see* Lim A.J.
Raga A.C., Cantó J., The steady structure of a jet/cloud interaction – II. The case of a spherically symmetric stratification, **280,** 567
Rawlings S. *see* Lacy M.
Redman M.P. *see* Williams R.J.R.
Redman M.P., Williams R.J.R., Dyson J.E., Clumpy ultracompact H II regions – II. Cores, spheres and shells from subsonic flows, **280,** 661
Reetz J. *see* Bedding T.R.
Roberts G. *see* Kurtz D.W.
Roche N., Shanks T., Metcalfe N., Fong R., The clustering of blue and red galaxies at $B \sim 25.5$ mag, **280,** 397
Roche P.F. *see* Lucas P.W.
Roche P.F., Lucas P.W., Hoare M.G., Aitken D.K., Smith C.H., An investigation of the 3-μm emission bands in planetary nebulae, **280,** 924
Rodgers A.W. *see* Alcock C.
Rodgers S.D., Millar T.J., The chemistry of deuterium in hot molecular cores, **280,** 1046
Rosen S.R., Mittaz J.P.D., Buckley D.A., Layden A.C., Clayton K.L., McCain C., Wynn G.A., Sirk M.M., Osborne J.P., Watson M.G., Accretion mode changes in QS Tel (RE 1938–461): *EUVE*, *ROSAT* and optical observations, **280,** 1121
Röttgering H.J.A. *see* Best P.N.
Rowan-Robinson M. *see* Oliver S.J.
Rudzikas Z. *see* Bogdanovich P.
Rybicki G.B. *see* Kochanek C.S.

Sáez D. *see* Fullana M.J.
Sahu K.C. *see* Oudmaijer R.D.
Santiago B.X. *see* Elson R.A.W.

Saravanan T.P., Deshpande A.A., Wilson W., Davies E., McCulloch P.M., McConnell D., New H I absorption measurements towards six pulsars, **280,** 1027
Sarna M.J. *see* Ergma E.
Sault R.J. *see* Killeen N.E.B.
Saunders W. *see* Oliver S.J.
Schilizzi R.T. *see* Kukula M.J.
Schindler S., Interaction in the bimodal galaxy cluster A3528, **280,** 309
Scholl H. *see* Perez J.
Schutz B.F. *see* Andersson N.
Schwarzschild M. *see* de Zeeuw P.T.
Shanks T. *see* Georgantopoulos I.
Shanks T. *see* Roche N.
Shaver P.A. *see* Hawkins M.R.S.
Shaw C.R. *see* Lyons M.A.
Sikora M., Sol H., Begelman M.C., Madejski G.M., Radiation drag in relativistic active galactic nucleus jets, **280,** 781
Silich S.A., Mashchenko S.Ya., Tenorio-Tagle G., Franco J., Supershells as probe particles for the study of the galactic spin orientation, **280,** 711
Sirk M.M. *see* Rosen S.R.
Smith C.H. *see* Roche P.F.
Smith D.A., Done C., Unified theories of active galactic nuclei: a hard X-ray sample of Seyfert 2 galaxies, **280,** 355
Smith R.C. *see* Davey S.C.
Sol H. *see* Sikora M.
Somers M.W., Lockley J.J., Naylor T., Wood J.H., Photometry of the post-common-envelope binary PG 0308 + 096, **280,** 1277
Southwell K.A. *see* Alcock C.
Srianand R., Khare P., Analysis of Lyα absorption lines in the vicinity of QSOs, **280,** 767
Staveley-Smith L. *see* Killeen N.E.B.
Steel D.I. *see* Asher D.J.
Steel D.I., Asher D.J., The orbital dispersion of the macroscopic Taurid objects, **280,** 806
Stewart G.C. *see* Georgantopoulos I.
Stewart R.T. *see* Duncan A.R.
Stubbs C.W. *see* Alcock C.
Sutherland W. *see* Alcock C.
Suto Y. *see* Kitayama T.

Tautvaišienė G. *see* Bogdanovich P.
Tayler R.J. *see* Pitts E.
Taylor A. *see* Oliver S.J.
Taylor P. *see* Norton A.J.
Tegmark M., A method for extracting maximum resolution power spectra from microwave sky maps, **280,** 299
Tenorio-Tagle G. *see* Silich S.A.
Terlevich R. *see* Fabian A.C.
Theuns T., Boffin H.M.J., Jorissen A., Wind accretion in binary stars – II. Accretion rates, **280,** 1264
Thompson M.J. *see* Basu S.
Treyer M.A., Lahav O., Faint blue galaxies as a probe of the X-ray background at high redshift, **280,** 469
Trussoni E. *see* Gliozzi M.
Tutukov A., Yungelson L., Double-degenerate semidetached binaries with helium secondaries: cataclysmic variables, supersoft X-ray sources, supernovae and accretion-induced collapses, **280,** 1035

Ueda H., Yokoyama J., Counts-in-cells analysis of the statistical distribution in an *N*-body simulated universe, **280,** 754
Urpin V.A., On hydrodynamic stability of weakly magnetized stellar radiative zones, **280,** 149

van der Hucht K.A. *see* Dougherty S.M.
van der Werf P. *see* Hawkins M.R.S.
van Wyk F. *see* Kurtz D.W.
Vaughan B.A. *see* Nowak M.A.
Vílchez J.M., Esteban C., The chemical composition of H II regions in the outer Galaxy, **280,** 720
Vinkó J., Hegedüs T., Hendry P.D., UZ Leo and CV Cyg: two evolved contact binaries, **280,** 489
von Bibra M.L. *see* Ellingsen S.P.

Wallerstein G. *see* Gonzalez G.
Ward M.J. *see* Young S.
Watson M.G. *see* Rosen S.R.
Welch D.L. *see* Alcock C.
Williams I.P. *see* Wu Z.
Williams P.M. *see* Dougherty S.M.
Williams R.J.R. *see* Redman M.P.
Williams R.J.R., Dyson J.E., Redman M.P., Clumpy ultracompact H II regions – III. Cometary morphologies around stationary stars, **280,** 667
Wilson G., Cole S., Frenk C.S., Cluster mass reconstruction from weak gravitational lensing, **280,** 199
Wilson W. *see* Saravanan T.P.
Wilson W.E. *see* Killeen N.E.B.
Wood J.H. *see* Somers M.W.
Woolfson M.M. *see* Melita M.D.
Wu Z., Williams I.P., Leonid meteor storms, **280,** 1210
Wynn G.A. *see* Rosen S.R.
Wynne C.G., Field correctors for very large telescopes, **280,** 555

Xanthopoulos E., *VRI* CCD surface photometry of Seyfert 1, Seyfert 2 and intermediate Seyfert-type galaxies, **280,** 6

Yankulova I. *see* Golev V.
Yokoyama J. *see* Ueda H.
Young S., Hough J.H., Axon D.J., Ward M.J., Bailey J.A., Optical and near-infrared spectropolarimetry of the infrared-luminous galaxy IRAS 23060 + 0505, **280,** 291
Yungelson L. *see* Tutukov A.

Zimdahl W., 'Understanding' cosmological bulk viscosity, **280,** 1239